

Louisiana Case Studies: Environmental Benefits of Performance Contracts



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- DOE and EPA are collaborating with State Energy Offices to help measure and verify the environmental benefits of energy efficiency and renewable energy projects
- As projects are quantified, they are included as case studies in the EPA's "Toolkits for States: Using Supplemental Environmental Projects to Promote Energy Efficiency and Renewable Energy"

- The Louisiana State Energy Office has been the beneficiary of two special Technical Assistance Program (TAP) grants awarded through the Department of Energy's (DOE) Central Regional Office in Golden, Colorado

- These grants provided Louisiana with direct, hands on support from DOE's National Renewable Energy Laboratory (NREL), the Environmental Protection Agency (EPA), Louisiana Department of Environmental Quality (DEQ), and others to quantify demand side emissions reductions from two major performance contracts executed by the City of Shreveport, and Louisiana State University.

First TAP Grant

- The City of Shreveport has included a 30 building energy savings performance contract in its Early Action Compact as a Nitrogen Oxide reduction measure making Louisiana the first state to include efficiency measures in an EPA State Implementation Plan (SIP) for air quality
- Public comment period on EPA's proposed acceptance of this measure expires on June 13, 2005

Second TAP Grant

- The Louisiana State University's Baton Rouge Campus entered into a performance contract for the design and installation of a new 19 MW gas turbine cogeneration system
- Sighting this facility required overcoming some permitting hurdles as East Baton Rouge Parish is in severe non-attainment for ozone
- DNR hopes to prove through the TAP grant that this project provides a benefit to the overall air shed, and that these benefits should be included in Louisiana's SIP

- Louisiana hopes to one day have a “menu” of energy efficient, environmentally friendly, public projects based on local projects quantified utilizing the models provided in the EPA toolkit
- These projects may then be offered as potential Beneficial Environmental Projects (BEP's) funded through fines negotiated by our DEQ for emissions permit violations

- Performance Contracting has proven to be a useful tool for effectively leveraging BEP fines into energy efficiency, and environmentally friendly public projects

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